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L1             STRUCTURE UPLOADED

     FILE 'BEILSTEIN' ENTERED AT 09:19:05 ON 14 AUG 2003
L2           0 S L1 FUL

     FILE 'CAPLUS' ENTERED AT 09:19:41 ON 14 AUG 2003
               S L1

     FILE 'REGISTRY' ENTERED AT 09:19:46 ON 14 AUG 2003
L3           0 S L1

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L7          45 S L5 FUL

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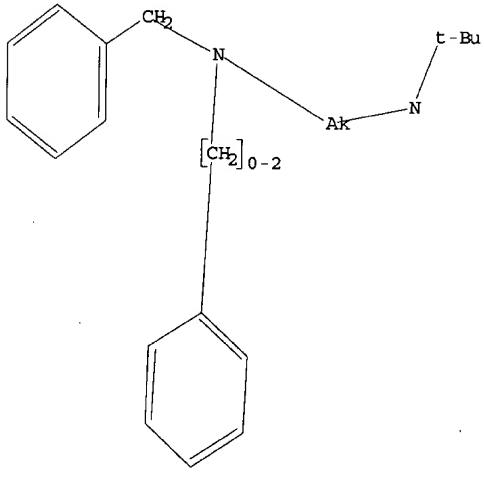


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G1 n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> d ide bib 1-45

L7   ANSWER 1 OF 45  REGISTRY  COPYRIGHT 2003 ACS on STN
RN   522651-72-5  REGISTRY
CN   Thiourea, N'-(1,1-dimethylethyl)-N,N-bis(phenylmethyl)- (9CI)  (CA INDEX
     NAME)
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09/730,814

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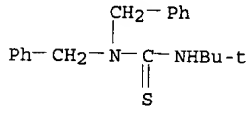

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L7 ANSWER 2 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 500153-13-9 REGISTRY
CN Butanediamide, N4-[(3,4-dichlorophenyl)methyl]-N4-[4-[(dimethylamino)carbonyl]phenyl]-N1-(1,1-dimethylethyl)-N1-methyl-2-oxo-(9CI) (CA INDEX NAME)
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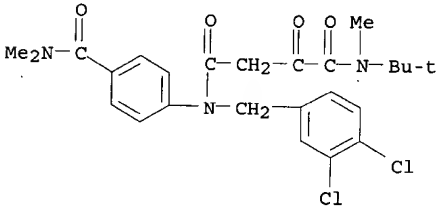
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 138:205074 CA
TI Preparation of .beta.-ketoamide compounds as HIV integrase inhibitors
IN Katoh, Susumu; Miyazaki, Susumu; Habuka, Noriyuki
PA Japan Tobacco Inc., Japan
SO PCT Int. Appl., 252 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003016266	A1	20030227	WO 2002-JP8211	20020812
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
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PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

PRAI JP 2001-247346 20010816
JP 2001-372066 20011205
JP 2002-151232 20020524

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 500153-12-8 REGISTRY
CN Benzoic acid, 4-[[(3,4-dichlorophenyl)methyl][4-[(1,1-dimethylethyl)methylamino]-1,3,4-trioxobutyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
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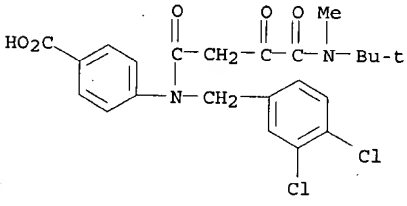
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 138:205074 CA
TI Preparation of .beta.-ketoamide compounds as HIV integrase inhibitors
IN Katoh, Susumu; Miyazaki, Susumu; Habuka, Noriyuki
PA Japan Tobacco Inc., Japan
SO PCT Int. Appl., 252 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003016266	A1	20030227	WO 2002-JP8211	20020812

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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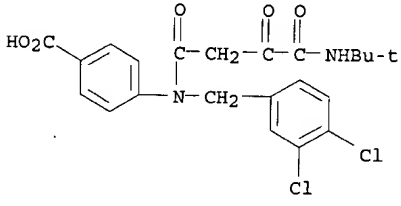
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2001-247346 20010816
JP 2001-372066 20011205
JP 2002-151232 20020524

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 500153-11-7 REGISTRY
CN Benzoic acid, 4-[[(3,4-dichlorophenyl)methyl][4-[(1,1-dimethylethyl)amino]-1,3,4-trioxobutyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H22 Cl2 N2 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 138:205074 CA
TI Preparation of .beta.-ketoamide compounds as HIV integrase inhibitors
IN Katoh, Susumu; Miyazaki, Susumu; Habuka, Noriyuki
PA Japan Tobacco Inc., Japan
SO PCT Int. Appl., 252 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003016266	A1	20030227	WO 2002-JP8211	20020812

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRAI JP 2001-247346 20010816

JP 2001-372066 20011205
JP 2002-151232 20020524
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 500153-10-6 REGISTRY
CN Butanediamide, N4-[(3,4-dichlorophenyl)methyl]-N4-[3-[(dimethylamino)carbonyl]phenyl]-N1-(1,1-dimethylethyl)-2-oxo- (9CI) (CA INDEX NAME)
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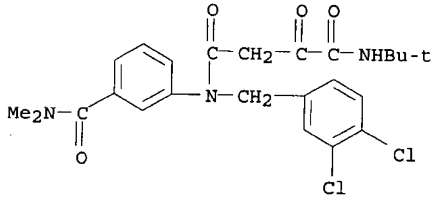
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 138:205074 CA
TI Preparation of .beta.-ketoamide compounds as HIV integrase inhibitors
IN Katoh, Susumu; Miyazaki, Susumu; Habuka, Noriyuki
PA Japan Tobacco Inc., Japan
SO PCT Int. Appl., 252 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003016266	A1	20030227	WO 2002-JP8211	20020812

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2001-247346 20010816
JP 2001-372066 20011205
JP 2002-151232 20020524
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 341961-68-0 REGISTRY
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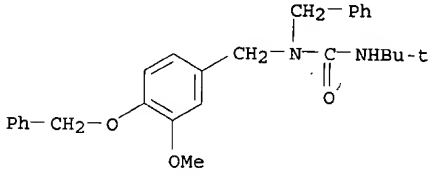
MF C27 H32 N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



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L7 ANSWER 7 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
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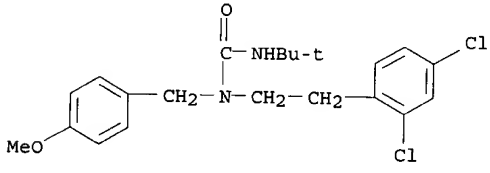
MF C21 H26 Cl2 N2 O2
SR Chemical Library
LC STN Files: CHEMCATS



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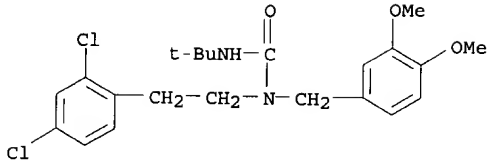
MF C22 H28 Cl2 N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



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SR Chemical Library
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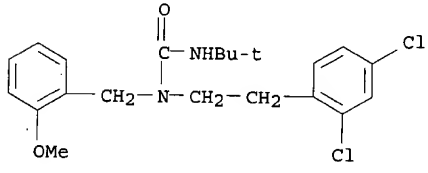

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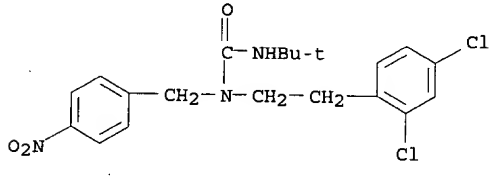
SR Chemical Library
LC STN Files: CHEMCATS



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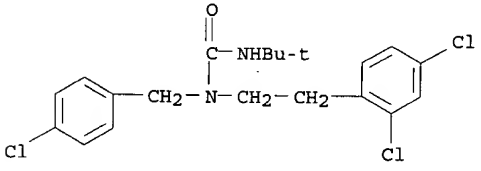
MF C20 H23 Cl3 N2 O
SR Chemical Library
LC STN Files: CHEMCATS



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FS 3D CONCORD
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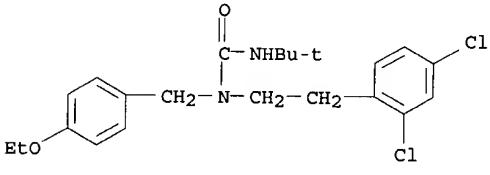
SR Chemical Library
LC STN Files: CHEMCATS



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RN 339109-18-1 REGISTRY
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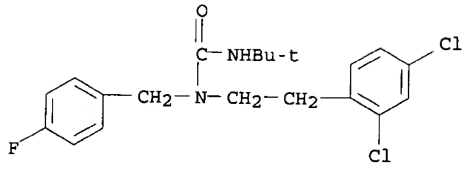

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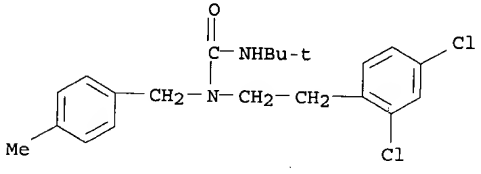
FS 3D CONCORD
MF C21 H26 Cl2 N2 O
SR Chemical Library
LC STN Files: CHEMCATS



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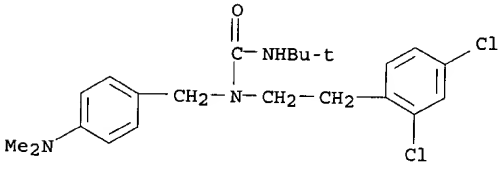
MF C22 H29 Cl2 N3 O
SR Chemical Library
LC STN Files: CHEMCATS



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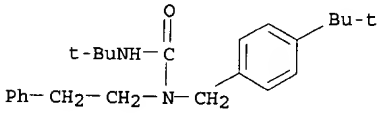
SR Chemical Library
LC STN Files: CHEMCATS



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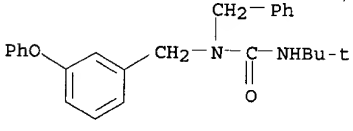
SR Chemical Library
LC STN Files: CHEMCATS



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RN 336145-18-7 REGISTRY
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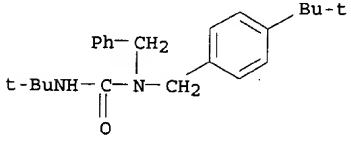
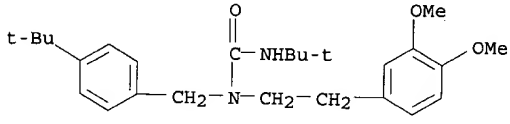


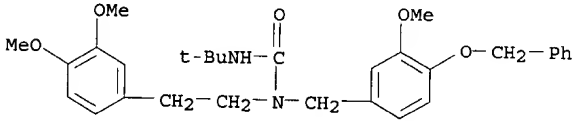
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 19 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 336132-92-4 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[[4-(1,1-dimethylethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C26 H38 N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



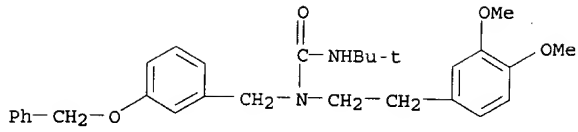
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 20 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335671-23-3 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[[3-methoxy-4-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H38 N2 O5
SR Chemical Library
LC STN Files: CHEMCATS



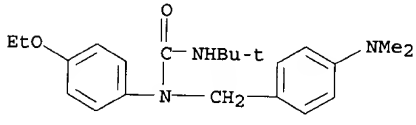
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 21 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335630-04-1 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[[3-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C29 H36 N2 O4
SR Chemical Library
LC STN Files: CHEMCATS



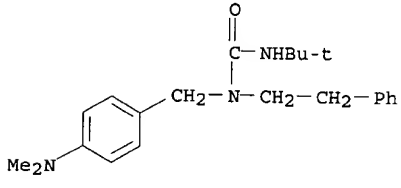
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 22 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335454-49-4 REGISTRY
CN Urea, N-[[4-(dimethylamino)phenyl]methyl]-N'-(1,1-dimethylethyl)-N-(4-ethoxyphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H31 N3 O2
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

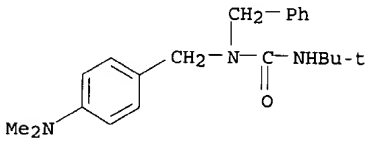
L7 ANSWER 23 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335452-92-1 REGISTRY
CN Urea, N-[[4-(dimethylamino)phenyl]methyl]-N'-(1,1-dimethylethyl)-N-(2-phenylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H31 N3 O
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

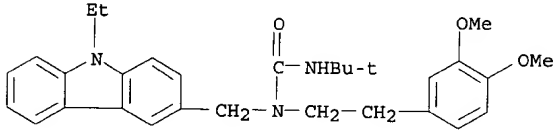
L7 ANSWER 24 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335451-90-6 REGISTRY
CN Urea, N-[[4-(dimethylamino)phenyl]methyl]-N'-(1,1-dimethylethyl)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C21 H29 N3 O
SR Chemical Library
LC STN Files: CHEMCATS



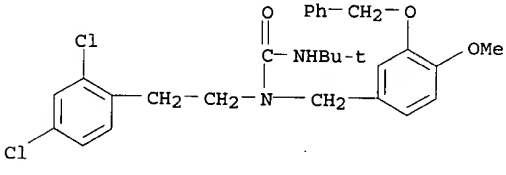
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 25 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 335250-47-0 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[(9-ethyl-9H-carbazol-3-yl)methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H37 N3 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

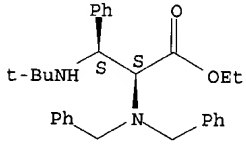
L7 ANSWER 26 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 334908-68-8 REGISTRY
CN Urea, N-[2-(2,4-dichlorophenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[[4-methoxy-3-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H32 Cl2 N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 27 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 314278-28-9 REGISTRY
CN D-Phenylalanine, .beta.-[(1,1-dimethylethyl)amino]-N,N-bis(phenylmethyl)-, ethyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H36 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Relative stereochemistry.



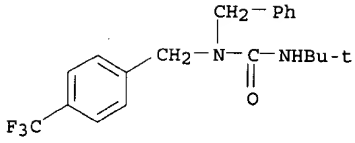
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

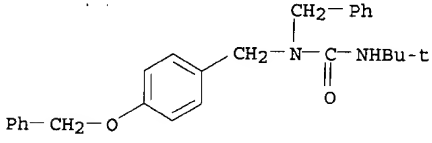
AN 134:71128 CA
TI Applications of Aziridinium Ions. Selective Syntheses of .alpha.,.beta.-Diamino Esters, .alpha.-Sulfanyl-.beta.-amino Esters, .beta.-Lactams, and 1,5-Benzodiazepin-2-one
AU Chuang, Tsung-Hsun; Sharpless, K. Barry
CS Department of Chemistry and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SO Organic Letters (2000), 2(23), 3555-3557
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 28 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 296805-13-5 REGISTRY
CN Urea, N'-(1,1-dimethylethyl)-N-(phenylmethyl)-N-[[4-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H23 F3 N2 O
SR Chemical Library
LC STN Files: CHEMCATS



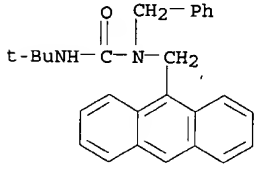
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 29 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 296254-81-4 REGISTRY
CN Urea, N'-(1,1-dimethylethyl)-N-[[4-(phenylmethoxy)phenyl]methyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C26 H30 N2 O2
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

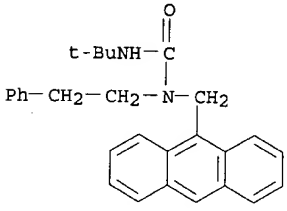
L7 ANSWER 30 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 295354-91-5 REGISTRY
CN Urea, N-(9-anthracenylmethyl)-N'-(1,1-dimethylethyl)-N-(phenylmethyl)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C27 H28 N2 O
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

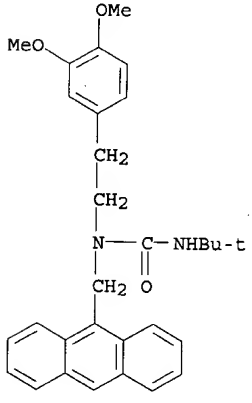
L7 ANSWER 31 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 294206-16-9 REGISTRY

CN Urea, N-(9-anthracenylmethyl)-N'-(1,1-dimethylethyl)-N-(2-phenylethyl)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H30 N2 O
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

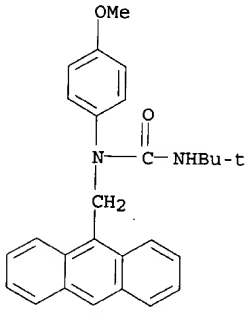
L7 ANSWER 32 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 294205-83-7 REGISTRY
CN Urea, N-(9-anthracenylmethyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H34 N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

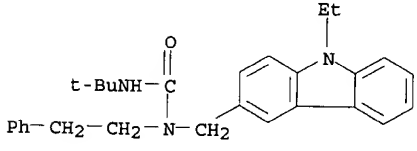
L7 ANSWER 33 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 294205-41-7 REGISTRY
CN Urea, N-(9-anthracenylmethyl)-N'-(1,1-dimethylethyl)-N-(4-methoxyphenyl)-(9CI) (CA INDEX NAME)

MF C27 H28 N2 O2
SR Chemical Library
LC STN Files: CHEMCATS



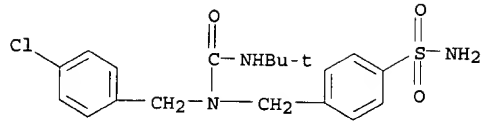
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 34 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 292866-76-3 REGISTRY
CN Urea, N'-(1,1-dimethylethyl)-N-[(9-ethyl-9H-carbazol-3-yl)methyl]-N-(2-phenylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H33 N3 O
SR Chemical Library
LC STN Files: CHEMCATS



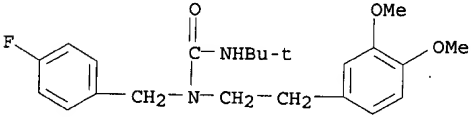
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 35 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 289627-80-1 REGISTRY
CN Benzenesulfonamide, 4-[[[(4-chlorophenyl)methyl][[(1,1-dimethylethyl)amino]carbonyl]amino]methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H24 Cl N3 O3 S
SR Chemical Library
LC STN Files: CHEMCATS



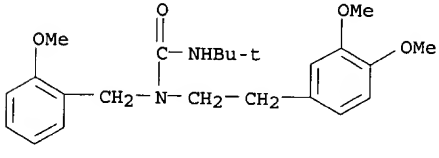
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 36 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 289509-28-0 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[(4-fluorophenyl)methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H29 F N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 37 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 289065-59-4 REGISTRY
CN Urea, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)-N-[(2-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H32 N2 O4
SR Chemical Library
LC STN Files: CHEMCATS

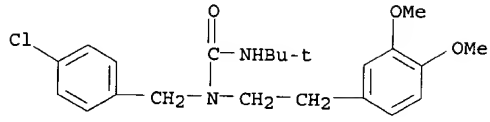


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 38 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 289063-86-1 REGISTRY
CN Urea, N-[(4-chlorophenyl)methyl]-N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD

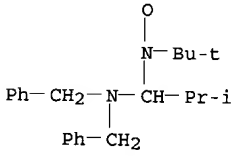
09/730,814

MF C22 H29 Cl N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 39 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 253684-16-1 REGISTRY
CN Nitroxide, 1-[bis(phenylmethyl)amino]-2-methylpropyl 1,1-dimethylethyl (9CI) (CA INDEX NAME)
MF C22 H31 N2 O
SR CA
LC STN Files: CA, CAPLUS

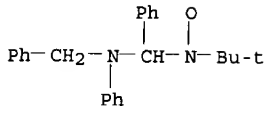


1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 132:78251 CA
TI EPR Studies on the SmI2-Promoted Coupling of N-(N',N'-Dialkylaminoalkyl)benzotriazoles
AU Katritzky, Alan R.; He, Hai-Ying; Qiu, Guofang; Bratt, Peter J.; Parrish, Sidney H., Jr.; Angerhofer, Alexander
CS Center for Heterocyclic Chemistry Department of Chemistry, University of Florida, Gainesville, FL, 32611-7200, USA
SO Organic Letters (1999), 1(11), 1755-1757
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 40 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 253684-15-0 REGISTRY
CN Nitroxide, 1,1-dimethylethyl phenyl[phenyl(phenylmethyl)amino]methyl (9CI) (CA INDEX NAME)
MF C24 H27 N2 O
SR CA
LC STN Files: CA, CAPLUS

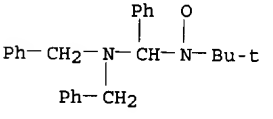


1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 132:78251 CA
TI EPR Studies on the SmI2-Promoted Coupling of N-(N',N'-Dialkylaminoalkyl)benzotriazoles
AU Katritzky, Alan R.; He, Hai-Ying; Qiu, Guofang; Bratt, Peter J.; Parrish, Sidney H., Jr.; Angerhofer, Alexander
CS Center for Heterocyclic Chemistry Department of Chemistry, University of Florida, Gainesville, FL, 32611-7200, USA
SO Organic Letters (1999), 1(11), 1755-1757
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 41 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 253684-12-7 REGISTRY
CN Nitroxide, [bis(phenylmethyl)amino]phenylmethyl 1,1-dimethylethyl (9CI) (CA INDEX NAME)
MF C25 H29 N2 O
SR CA
LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1947 TO DATE)
2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

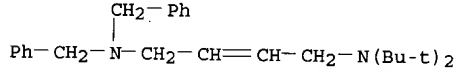
REFERENCE 1

AN 133:17113 CA
TI Mechanistic Studies of Radical-Based Processes. Use and Misuse of EPR Spectroscopy
AU Alberti, Angelo; Benaglia, Massimo; Macciantelli, Dante
CS Area della Ricerca di Bologna, ICoCEA-CNR, Bologna, I-40129, Italy
SO Organic Letters (2000), 2(11), 1553-1555
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

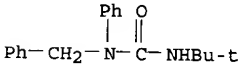
AN 132:78251 CA
TI EPR Studies on the SmI2-Promoted Coupling of N-(N',N'-Dialkylaminoalkyl)benzotriazoles
AU Katritzky, Alan R.; He, Hai-Ying; Qiu, Guofang; Bratt, Peter J.; Parrish, Sidney H., Jr.; Angerhofer, Alexander
CS Center for Heterocyclic Chemistry Department of Chemistry, University of Florida, Gainesville, FL, 32611-7200, USA
SO Organic Letters (1999), 1(11), 1755-1757
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 42 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 197961-01-6 REGISTRY
CN 2-Butene-1,4-diamine, N,N-bis(1,1-dimethylethyl)-N',N'-bis(phenylmethyl)-(9CI) (CA INDEX NAME)
OTHER NAMES:
CN NSC 308810
FS 3D CONCORD
MF C26 H38 N2
SR CAS Registry Services
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 43 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 88372-71-8 REGISTRY
CN Urea, N'-(1,1-dimethylethyl)-N-phenyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H22 N2 O
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 100:34676 CA

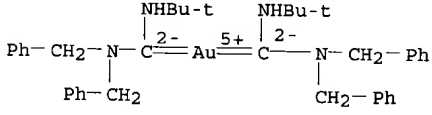
09/730,814

TI Diazanickelacyclopentanones from nickel(0), imines and isocyanates
AU Hoberg, Heinz; Suemmermann, Klaus
CS Max-Planck-Inst. Kohlenforsch., Muelheim, D-4330, Fed. Rep. Ger.
SO Journal of Organometallic Chemistry (1983), 253(3), 383-9
CODEN: JORCAI; ISSN: 0022-328X
DT Journal
LA German

L7 ANSWER 44 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 52124-84-2 REGISTRY
CN Gold(1+), bis[[bis(phenylmethyl)amino][(1,1-dimethylethyl)amino]methylene]-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Methanediamine, N'-(1,1-dimethylethyl)-N,N-bis(phenylmethyl)-, gold complex
CN Phosphate(1-), hexafluoro-, bis[[bis(phenylmethyl)amino][(1,1-dimethylethyl)amino]methylene]gold(1+)
MF C38 H48 Au N4 . F6 P
LC STN Files: CA, CAPLUS

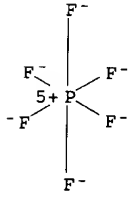
CM 1

CRN 52124-83-1
CMF C38 H48 Au N4
CCI CCS



CM 2

CRN 16919-18-9
CMF F6 P
CCI CCS



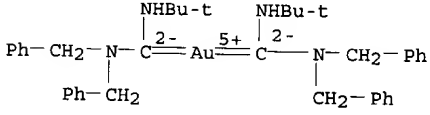
1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1

AN 80:146255 CA
TI Isocyanide and carbene complexes of gold(I). Stepwise formation of formamidines
AU McCleverty, Jon A.; Da Mota, M. Manuela M.

CS Dep. Chem., Univ. Sheffield, Sheffield, UK
SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1973), (23), 2571-4
CODEN: JCDTBI; ISSN: 0300-9246
DT Journal
LA English

L7 ANSWER 45 OF 45 REGISTRY COPYRIGHT 2003 ACS on STN
RN 52124-83-1 REGISTRY
CN Gold(1+), bis[[bis(phenylmethyl)amino][(1,1-dimethylethyl)amino]methylene]-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Methanediamine, N'-(1,1-dimethylethyl)-N,N-bis(phenylmethyl)-, gold complex
MF C38 H48 Au N4
CI CCS, COM



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09/730,814

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                E WO2001039767/PN
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                SELECT RN L1 1

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L2            7 S E1-E7

     FILE 'REGISTRY' ENTERED AT 07:46:48 ON 14 AUG 2003
L3              STRUCTURE UPLOADED
L4            0 S L3
L5           13 S L3 FUL

     FILE 'CAPLUS' ENTERED AT 07:47:54 ON 14 AUG 2003
L6            6 S L5
L7              STRUCTURE UPLOADED
                S L7

     FILE 'REGISTRY' ENTERED AT 07:54:55 ON 14 AUG 2003
L8            0 S L7

     FILE 'CAPLUS' ENTERED AT 07:54:56 ON 14 AUG 2003
L9            0 S L8
L10             STRUCTURE UPLOADED
                S L10

     FILE 'REGISTRY' ENTERED AT 08:02:11 ON 14 AUG 2003
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L13             STRUCTURE UPLOADED
                S L13

     FILE 'REGISTRY' ENTERED AT 08:04:28 ON 14 AUG 2003
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L15           0 S L14
L16             STRUCTURE UPLOADED
                S L16

     FILE 'REGISTRY' ENTERED AT 08:05:36 ON 14 AUG 2003
L17           0 S L16

     FILE 'CAPLUS' ENTERED AT 08:05:37 ON 14 AUG 2003
L18           0 S L17
                S L16

     FILE 'REGISTRY' ENTERED AT 08:05:49 ON 14 AUG 2003
L19           5 S L16 FUL

     FILE 'CAPLUS' ENTERED AT 08:05:53 ON 14 AUG 2003
L20           3 S L19 FUL
L21             STRUCTURE UPLOADED
                S L21

     FILE 'REGISTRY' ENTERED AT 08:09:38 ON 14 AUG 2003
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L22             0 S L21

     FILE 'CAPLUS' ENTERED AT 08:09:40 ON 14 AUG 2003
L23             0 S L22

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L24               STRUCTURE UPLOADED
L25             1 S L24
L26           240 S L24 FUL
L27               STRUCTURE UPLOADED
L28           129 SEARCH L27 SSS  SUB=L26 FUL
L29               STRUCTURE UPLOADED
L30               STRUCTURE UPLOADED
L31             1 SEARCH L30 SSS  SUB=L26 FUL

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L32             4 S L31

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L33             2 S L32
                SELECT PN L33 1

=> d bib abs hitstr l33 1-2

L33  ANSWER 1 OF 2  USPATFULL on STN
AN      94:91079  USPATFULL
TI      Imidazole compounds, processes for their preparation, pharmaceuticals
        based on these compounds and some intermediates
IN      Graeve, Rolf, Taunusstein, Germany, Federal Republic of
        Okyayuz-Baklouti, Ismahan, Wiesbaden, Germany, Federal Republic of
        Seiffge, Dirk, Mainz, Germany, Federal Republic of
PA      Hoechst Aktiengesellschaft, Frankfurt am Main, Germany, Federal Republic
        of (non-U.S. corporation)
PI      US 5356922              19941018
AI      US 1993-57887           19930507 (8)
RLI     Division of Ser. No. US 1991-652606, filed on 8 Feb 1991, now patented,
        Pat. No. US 5232922
DT      Utility
FS      Granted
EXNAM   Primary Examiner: Shah, Mukund J.; Assistant Examiner: Grumbling,
        Matthew V.
LREP    Finnegan, Henderson, Farabow, Garrett & Dunner
CLMN    Number of Claims: 5
ECL     Exemplary Claim: 1,2
DRWN    No Drawings
LN.CNT 1369
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      Imidazole compounds of the formula I ##STR1## in which R.sup.1 =alkyl,

        R.sup.2 and R.sup.3 =H, halogen or alkyl,

        X=OH or an amide radical having certain substituents, processes for
        their preparation and pharmaceuticals based on these compounds, in
        particular for the prophylaxis and treatment of circulatory
        disturbances, especially of disturbances of the microcirculation and of
        the disorders resulting therefrom,

        and some novel intermediates for the preparation of the compounds of the
        formula I, which are 1-methyl-, 1,2-dimethyl- and 1-ethyl-4-
        imidazolesulfonyl chloride.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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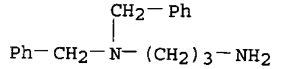
09/730,814

IT **107142-94-9**
(reaction of, in prepn. of antithrombotic agents)
RN 107142-94-9 USPATFULL
CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



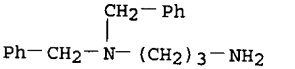
L33 ANSWER 2 OF 2 USPATFULL on STN
AN 93:63167 USPATFULL
TI Imidazole compounds, processes for their preparation, pharmaceuticals based on these compounds and some intermediates
IN Graeve, Rolf, Taunusstein, Germany, Federal Republic of
Okyayuz-Baklouti, Ismahan, Wiesbaden, Germany, Federal Republic of
Seiffge, Dirk, Mainz, Germany, Federal Republic of
PA Hoechst Aktiengesellschaft, Frankfurt am Main, Germany, Federal Republic of (non-U.S. corporation)
PI US 5232922 19930803
AI US 1991-652606 19910208 (7)
PRAI DE 1990-4004061 19900210
DT Utility
FS Granted
EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Venkat, Jyothsna
LREP Finnegan, Henderson, Farabow, Garrett & Dunner
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1479
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Imidazole compounds of the formula I ##STR1## in which R.sup.1 =alkyl,

R.sup.2 and R.sup.3 =H, halogen or alkyl,

X=OH or an amide radical having certain substituents, processes for their preparation and pharmaceuticals based on these compounds, in particular for the prophylaxis and treatment of circulatory disturbances, especially of disturbances of the microcirculation and of the disorders resulting therefrom,

and some novel intermediates for the preparation of the compounds of the formula I, which are 1-methyl-, 1,2-dimethyl- and 1-ethyl-4-imidazolesulfonyl chloride.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **107142-94-9**
(reaction of, in prepn. of antithrombotic agents)
RN 107142-94-9 USPATFULL
CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



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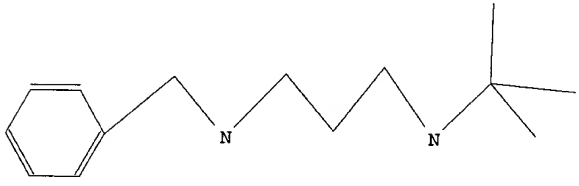
L3 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

Beilstein Records (BRN):	2830926
Beilstein Pref. RN (BPR):	57957-05-8
CAS Reg. No. (RN):	57957-05-8
Chemical Name (CN):	N-benzyl-N'-t-butylpropane-1,3-diamine
Autonom Name (AUN):	N-benzyl-N'-tert-butyl-propane-1,3-diamine
Molec. Formula (MF):	C14 H24 N2
Molecular Weight (MW):	220.36
Lawson Number (LN):	14140, 3027, 2846
Compound Type (CTYPE):	isocyclic
Constitution ID (CONSID):	2557709
Tautomer ID (TAUTID):	2704157
Beilstein Citation (BSO):	5-12
Entry Date (DED):	1989/07/11
Update Date (DUPD):	2000/05/16



Field Availability:

Code	Name	Occurrence
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BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
BP	Boiling Point	1
CDER	Chemical Derivative	1
DEN	Density (Liquid)	1
NMR	Nuclear Magnetic Resonance	3
RI	Refractive Index	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence

RX	Reaction Documents	3
RXREA	Substance is Reaction Reactant	1
RXPRO	Substance is Reaction Product	2

Chemical Derivative:
CDER
Note(s) (.COM): Hydrochlorid: C14H24N2 * HCl: F: 255-256grad
Reference(s):
1. Guryn et al., Acta Pol.Pharm., CODEN: APPHAX, 32, <1975>, 259, Chem.Abstr., 84(43210), <1976>

Boiling Point:

Value (BP) (Cel)	Press. (.P) (Torr)	Ref.
119 - 120	1	1

Reference(s):
1. Guryn et al., Acta Pol.Pharm., CODEN: APPHAX, 32, <1975>, 259, Chem.Abstr., 84(43210), <1976>

Liquid Density:

Value (DEN) (g/cm**3)	Temp. (.T) (Cel)	Ref. Temp. (.RT) (Cel)	Ref.
0.9172	20	20	1

Reference(s):
1. Guryn et al., Acta Pol.Pharm., CODEN: APPHAX, 32, <1975>, 259, Chem.Abstr., 84(43210), <1976>

Refractive Index:

Value (RI) (--)	Temp. (.T) (Cel)	Wavelen. (.W) (nm)	Ref.
1.5008	20	589	1

Reference(s):
1. Guryn et al., Acta Pol.Pharm., CODEN: APPHAX, 32, <1975>, 259, Chem.Abstr., 84(43210), <1976>

Nuclear Magnetic Resonance:
NMR
Coupling Nuclei (.NUI): 1H-1H
Solvents (.SOL): CDCl3
Frequency (.F): 300 MHz
Reference(s):
1. Millan, David S.; Prager, Rolf H., Aust.J.Chem., CODEN: AJCHAS, 52(9), <1999>, 841 - 850; BABS-6205016

NMR

Description (.KW):	Chemical shifts
Nucleus (.NUC):	1H
Solvents (.SOL):	CDCl3
Frequency (.F):	300 MHz

Reference(s):

1. Millan, David S.; Prager, Rolf H., Aust.J.Chem., CODEN: AJCHAS, 52(9), <1999>, 841 - 850; BABS-6205016

NMR

Description (.KW):	Chemical shifts
Nucleus (.NUC):	13C
Solvents (.SOL):	CDCl3
Frequency (.F):	75.5 MHz

Reference(s):

1. Millan, David S.; Prager, Rolf H., Aust.J.Chem., CODEN: AJCHAS, 52(9), <1999>, 841 - 850; BABS-6205016

Reaction:

RX

Reaction ID (.ID):	7808271
Product BRN (.PBRN):	2830926
Product (.PRO):	N-benzyl-N'-tert-butyl-propane-1,3-diamine
No. of React. Details (.NVAR):	1

Reaction Details:

RX

Reaction RID (.RID):	7808271.1
Reaction Classification (.CL):	Preparation (half reaction)

Reference(s):

1. Guryn et al., Acta Pol.Pharm., CODEN: APPHAX, 32, <1975>, 259, Chem.Abstr., 84(43210), <1976>

Reaction:

RX

Reaction ID (.ID):	5293864
Reactant BRN (.RBRN):	8412234
Reactant (.RCT):	N-benzyl-3-tert-butylamino-propionamide
Product BRN (.PBRN):	2830926
Product (.PRO):	N-benzyl-N'-tert-butyl-propane-1,3-diamine
No. of React. Details (.NVAR):	1

Reaction Details:

RX

Reaction RID (.RID):	5293864.1
Reaction Classification (.CL):	Preparation
Yield (.YDT):	48 percent (BRN=2830926)
Reagent (.RGT):	diborane, Me2S
Solvent (.SOL):	tetrahydrofuran
Time (.TIM):	16 hour(s)
Other Conditions (.COND):	Heating
Reaction Type (.TYP):	Reduction

Reference(s):

1. Millan, David S.; Prager, Rolf H., Aust.J.Chem., CODEN: AJCHAS, 52(9), <1999>, 841 - 850; BABS-6205016

Reaction:

RX

Reaction ID (.ID):	5258732
Reactant BRN (.RBRN):	2830926, 1209228
Reactant (.RCT):	N-benzyl-N'-tert-butyl-propane-1,3-diamine, formaldehyde
Product BRN (.PBRN):	8410876

Product (.PRO):	N-benzyl-N'-tert-butyl-N,N'-dimethyl-propane-1,3-diamine
No. of React. Details (.NVAR):	1

Reaction Details:
RX

Reaction RID (.RID):	5258732.1
Reaction Classification (.CL):	Preparation
Yield (.YDT):	79 percent (BRN=8410876)
Reagent (.RGT):	HCOOH
Solvent (.SOL):	H2O
Time (.TIM):	16 hour(s)
Temperature (.T):	90 Cel
Reaction Type (.TYP):	Methylation

Reference(s):

1. Millan, David S.; Prager, Rolf H., Aust.J.Chem., CODEN: AJCHAS, 52(9), <1999>, 841 - 850; BABS-6205016

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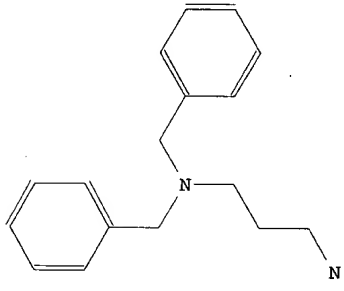
L36 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL on STN

Beilstein Records (BRN):	2851764
Beilstein Pref. RN (BPR):	107142-94-9
CAS Reg. No. (RN):	**107142-94-9**
Chemical Name (CN):	N1,N1-dibenzyl-propane-1,3-diamine
Autonom Name (AUN):	N1,N1-dibenzyl-propane-1,3-diamine
Molec. Formula (MF):	C17 H22 N2
Molecular Weight (MW):	254.37
Lawson Number (LN):	14140, 3027
Compound Type (CTYPE):	isocyclic
Constitution ID (CONSID):	2570884
Tautomer ID (TAUTID):	2708101
Beilstein Citation (BSO):	5-12
Entry Date (DED):	1989/07/11
Update Date (DUPD):	1994/02/03



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
BP	Boiling Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence

```
     RX        Reaction Documents                          1
     RXPRO     Substance is Reaction Product               1


Boiling Point:
 Value       | Press.      |Ref.
 (BP)        | (.P)        |
 (Cel)       | (Torr)      |
=============+=============+====
 137 - 139   | 0.01        |1

Reference(s):
1. Hoffmann,K.-J. et al., J.Med.Chem., CODEN: JMCMAR, 18, <1975>, 278-284


Reaction:
RX
     Reaction ID (.ID):                 1140009
     Reactant BRN (.RBRN):              2851786
     Reactant (.RCT):                   3-(bis(phenylmethyl)amino)-propanenitrile
     Product BRN (.PBRN):               2851764
     Product (.PRO):                    N1,N1-dibenzyl-propane-1,3-diamine
     No. of React. Details (.NVAR):     1

Reaction Details:
RX
     Reaction RID (.RID):               1140009.1
     Reaction Classification (.CL):     Preparation
     Reagent (.RGT):                    LiAlH4
     Solvent (.SOL):                    diethyl ether
     Reference(s):
     1. Hoffmann,K.-J. et al., J.Med.Chem., CODEN: JMCMAR, 18, <1975>, 278-284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                SELECT RN L1 1

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L2            7 S E1-E7

     FILE 'REGISTRY' ENTERED AT 07:46:48 ON 14 AUG 2003
L3              STRUCTURE UPLOADED
L4            0 S L3
L5           13 S L3 FUL

     FILE 'CAPLUS' ENTERED AT 07:47:54 ON 14 AUG 2003
L6            6 S L5
L7              STRUCTURE UPLOADED
                S L7

     FILE 'REGISTRY' ENTERED AT 07:54:55 ON 14 AUG 2003
L8            0 S L7

     FILE 'CAPLUS' ENTERED AT 07:54:56 ON 14 AUG 2003
L9            0 S L8
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     FILE 'CAPLUS' ENTERED AT 08:02:13 ON 14 AUG 2003
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L13             STRUCTURE UPLOADED
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     FILE 'REGISTRY' ENTERED AT 08:04:28 ON 14 AUG 2003
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                S L16

     FILE 'REGISTRY' ENTERED AT 08:05:36 ON 14 AUG 2003
L17           0 S L16

     FILE 'CAPLUS' ENTERED AT 08:05:37 ON 14 AUG 2003
L18           0 S L17
                S L16

     FILE 'REGISTRY' ENTERED AT 08:05:49 ON 14 AUG 2003
L19           5 S L16 FUL

     FILE 'CAPLUS' ENTERED AT 08:05:53 ON 14 AUG 2003
L20           3 S L19 FUL
L21             STRUCTURE UPLOADED
                S L21

     FILE 'REGISTRY' ENTERED AT 08:09:38 ON 14 AUG 2003
L22           0 S L21

     FILE 'CAPLUS' ENTERED AT 08:09:40 ON 14 AUG 2003
L23           0 S L22

     FILE 'REGISTRY' ENTERED AT 08:10:31 ON 14 AUG 2003
L24             STRUCTURE UPLOADED
L25           1 S L24
L26         240 S L24 FUL
L27             STRUCTURE UPLOADED
L28         129 SEARCH L27 SSS  SUB=L26 FUL
L29             STRUCTURE UPLOADED
L30             STRUCTURE UPLOADED
L31           1 SEARCH L30 SSS  SUB=L26 FUL

     FILE 'CAPLUS' ENTERED AT 08:18:47 ON 14 AUG 2003
L32           4 S L31

     FILE 'USPATFULL' ENTERED AT 08:19:01 ON 14 AUG 2003
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                SELECT PN L33 1

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                E 107142-94-9/RN
L34           1 S E3

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L35 4 S L34

FILE 'BEILSTEIN' ENTERED AT 08:47:17 ON 14 AUG 2003
L36 1 S L34

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=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	25.19	658.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.48

FILE 'CAPLUS' ENTERED AT 08:48:06 ON 14 AUG 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 7
FILE LAST UPDATED: 13 Aug 2003 (20030813/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr l35 1-4

L35 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:935609 CAPLUS
DN 136:69813
TI Preparation of dioxinopyridines and related compounds for treating impaired fundic relaxation.
IN van Emelen, Kristof; Leopold de Bruyn, Marcel Frans; Alcazar-Vaca, Manuel Jesus; Andres-Gil, Jose Ignacio; Fernandez-Gadea, Francisco Javier; Matesanz-Ballesteros, Maria Encarnacion; Bartolome-Nebreda, Jose Manuel
PA Janssen Pharmaceutica N.V., Belg.
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

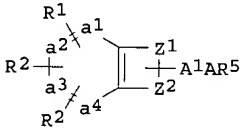
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001098306	A1	20011227	WO 2001-EP6749	20010613

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,

RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1296987	A1	20030402	EP 2001-962742	20010613	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2001011859	A	20030513	BR 2001-11859	20010613	
BG 107313	A	20030630	BG 2002-107313	20021125	
NO 2002006219	A	20030217	NO 2002-6219	20021223	
PRAI EP 2000-202180	A	20000622			
WO 2001-EP6749	W	20010613			

OS MARPAT 136:69813
GI

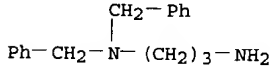


I

AB Title compds. [I; a1:a2a3:a4 = bivalent radical wherein 1-2 of a1-a4 = N, the remaining a1-a4 = CH; Z1Z2 = specified bivalent radical; A = bivalent radical of formula N(R6)A2, 5, 6, or 7-membered satd. heterocycle contg. 1-2 N atoms; R1, R2, R3 = H, alkyl, alkenyl, alkoxy, OH, halo cyano, amino, etc.; A1, A2 = (substituted) C1-6 alkanediyl], were prepd. Thus, 2,3-dihydro-1,4-dioxino[2,3-b]pyridine-3-methanol mesylate ester (prepn. given), 1-(3-aminopropyl)tetrahydro-2(1H)-pyrimidinone, and CaO were stirred at 100.degree. overnight to give 1-[3-[[(2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl)methyl]amino]propyl]tetrahydro-2(1H)pyrimidinone. This at 0.63 mg/kg s.c. in dogs gave a max. increase in gastric vol. of 156 mL.

IT **107142-94-9**, 1-Amino-3-dibenzylaminopropane
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of dioxinopyridines and related compds. for treating impaired fundic relaxation)

RN 107142-94-9 CAPLUS
CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:881147 CAPLUS
DN 134:42137
TI Preparation of pyrrolidinyl, piperidinyl or homopiperidinyl substituted benzodioxan, benzofuran or benzopyran derivatives for treating conditions which are related to impaired fundic relaxation
IN De Bruyn, Marcel Frans Leopold; Van Emelen, Kristof; Wigerinck, Piet Tom Bert Paul; Verschueren, Wim Gaston
PA Janssen Pharmaceutica N.V., Belg.

SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000075137	A1	20001214	WO 2000-EP4747	20000523
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000011247	A	20020305	BR 2000-11247	20000523
	EP 1187831	A1	20020320	EP 2000-927243	20000523
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003501428	T2	20030114	JP 2001-502420	20000523
	EE 200100640	A	20030217	EE 2001-640	20000523
	NZ 515478	A	20030328	NZ 2000-515478	20000523
	BG 106157	A	20020628	BG 2001-106157	20011128
	NO 2001005865	A	20020201	NO 2001-5865	20011130
PRAI	EP 1999-201746	A	19990602		
	WO 2000-EP4747	W	20000523		

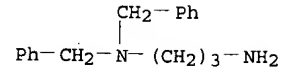
OS MARPAT 134:42137
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; Alk = (un)substituted alkanediyl, alkylcarbonyl, carbonylalkyl, etc.; Z1Z2 = OCHR4CH2, OCHR4CH2O, OCHR4CH2S, etc.; R1-R3 = H, alkyl, OH, etc.; or when R1 and R2 are on adjacent carbon atoms, R1 and R2 taken together may form (CH2)3, OCH2CH2, (CH2)4, etc.; R4 = H, alkyl, hydroxyalkyl, etc.; the bivalent radical A = substituted piperidinyl, (un)substituted pyrrolidinyl, homopiperidinyl, etc.; R5 = II-IV, etc. (wherein X = O, S, NR9, CHNO2; Y = O, S; R7 = H, alkyl, cycloalkyl, etc.; R8 = alkyl, cycloalkyl, Ph, phenylmethyl; R9 = CN, alkyl, cycloalkyl, etc.; R10 = H, alkyl; Q = (CH2)2, (CH2)3, CH:CH, etc.)] and their pharmaceutically acceptable acid addn. salts, useful as a medicine, in particular for treating conditions which are related to impaired fundic relaxation, were prepd. E.g., a multi-step synthesis of the pyrimidinone (R)-V which showed the mean maximal change of 178 mL in vol. on relaxation of the fundus, during the 1 h observation period after i.d. administration at 0.63 mg/kg, was given.

IT **107142-94-9**, N,N-Bis(phenylmethyl)-1,3-propanediamine
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of pyrrolidinyl, piperidinyl or homopiperidinyl substituted benzodioxan, benzofuran or benzopyran derivs. for treating conditions which are related to impaired fundic relaxation)

RN 107142-94-9 CAPLUS
CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)

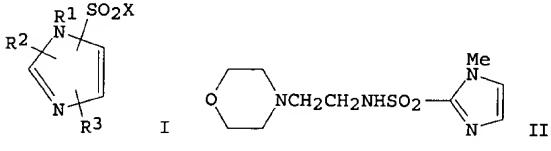


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1991:632247 CAPLUS
DN 115:232247
TI Preparation of imidazolesulfonamides as antithrombotic agents
IN Graeve, Rolf; Okyayuz-Baklouti, Ismahan; Seiffge, Dirk
PA Hoechst A.-G., Germany
SO Ger. Offen., 39 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4004061	A1	19910814	DE 1990-4004061	19900210
	EP 442348	A2	19910821	EP 1991-101497	19910205
	EP 442348	A3	19920304		
	EP 442348	B1	19960717		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 140452	E	19960815	AT 1991-101497	19910205
	ES 2090150	T3	19961016	ES 1991-101497	19910205
	FI 9100602	A	19910811	FI 1991-602	19910207
	BR 9100520	A	19911029	BR 1991-520	19910207
	CA 2035988	AA	19910811	CA 1991-2035988	19910208
	NO 9100496	A	19910812	NO 1991-496	19910208
	AU 9170848	A1	19910815	AU 1991-70848	19910208
	AU 634342	B2	19930218		
	HU 56549	A2	19910930	HU 1991-415	19910208
	HU 207997	B	19930728		
	ZA 9100948	A	19911030	ZA 1991-948	19910208
	JP 04316561	A2	19921106	JP 1991-60750	19910208
	JP 3026847	B2	20000327		
	US 5232922	A	19930803	US 1991-652606	19910208
	CN 1053919	A	19910821	CN 1991-100969	19910209
	US 5356922	A	19941018	US 1993-57887	19930507
PRAI	DE 1990-4004061	A	19900210		
	US 1991-652606	A3	19910208		

OS MARPAT 115:232247
GI



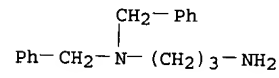
AB The title compds. [I; R1 = alkyl; R2,R3 = H, halo, alkyl; X = OH, NR4R5; R4 = H, (un)substituted alkyl; R5 = phenylalkyl, (un)substituted alkyl, etc.] were prepd. Thus, 1-methyl-2-imidazolesulfonyl chloride was condensed with 2-morpholinoethylamine to give title compd. II.HCl which gave 45% inhibition of laser-induced thromboses in rats at 10 mg/kg

orally.

IT **107142-94-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of antithrombotic agents)

RN 107142-94-9 CAPLUS

CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



L35 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1987:113536 CAPLUS

DN 106:113536

TI Ethosuximide tracers, immunogens, and antibodies, and their preparation and use in an ethosuximide fluorescence-polarization immunoassay

IN Heiman, Daniel Feulner; Cantarero, Luis A.; Chan, Clifford Man

PA Abbott Laboratories, USA

SO Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 199963	A1	19861210	EP 1986-103673	19860318
	EP 199963	B1	19911023		
	R: BE, DE, FR, IT				
	JP 61236799	A2	19861022	JP 1986-72644	19860401
	JP 06062628	B4	19940817		
PRAI	US 1985-718601		19850401		

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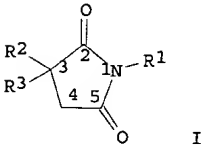


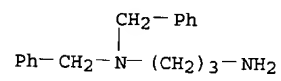
I

AB Ethosuximide analogs and derivs. I [R1 = H, RZQ (R = linking group; Z = NH, CO, CS, SO2, C:NH, N, NH, N:N, CH2; Q = poly(amino acid) or deriv., an immunol. active carrier, fluorescein or deriv.); R2 = Me, Et when R1 = RZQ, or CH2RZQ when R1 = H (RZQ as defined); R3 = Me, Et] are prepd. as tracers and immunogens for use in fluorescence-polarization immunoassay for ethosuximide. The assay is conducted by measuring the degree of polarization of plane polarized light that has been passed through a sample contg. antiserum and tracer. 6-Carboxyfluorescein was coupled to 3-methyl-3-(3-aminopropyl) succinimide hydrochloride (prepd. from 5-chloro-2-pentanone ethylene ketal and dibenzylamine in multiple steps). This tracer (0.5-2.0 nM) and ethosuximide antiserum obtained by using I (R1 = H, R2 = aminopropyl, R3 = Me, Q = bovine serum albumin) as the immunogen were used in a fluorescein-polarization assay for ethosuximide detn.

IT **107142-94-9P**, 1-Amino-3-dibenzylaminopropane

09/730,814

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, in ethosuximide deriv. synthesis)
RN 107142-94-9 CAPLUS
CN 1,3-Propanediamine, N,N-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



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=>
Executing the logoff script...

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.40	677.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.60	-9.08

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:49:52 ON 14 AUG 2003
Connection closed by remote host

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                E WO2001039767/PN
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L2            7 S E1-E7

     FILE 'REGISTRY' ENTERED AT 07:46:48 ON 14 AUG 2003
L3              STRUCTURE UPLOADED
L4            0 S L3
L5           13 S L3 FUL

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L6            6 S L5

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L3 HAS NO ANSWERS
L3              STR
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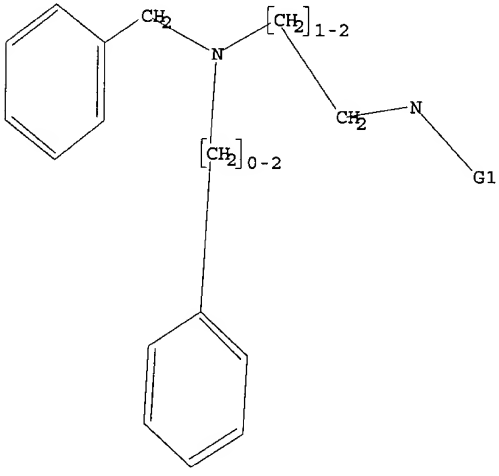

G1 n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

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=> d bib abs hitstr 1-6

L6   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2002:368443  CAPLUS
DN   136:369504
TI   Preparation of substituted alkyldiamines as inhibitors of plasmodium
     falciparum protease plasmepsin II or related aspartic proteases
IN   Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein,
     Sylvia; Weller, Thomas
```

PA Actelion Pharmaceuticals Ltd., Switz.
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

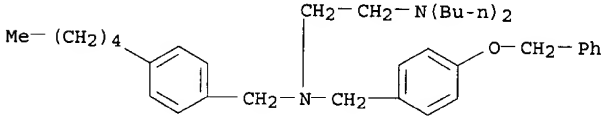
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038534	A2	20020516	WO 2001-EP12617	20011031
	WO 2002038534	A3	20021114		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN; GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002014035	A5	20020521	AU 2002-14035	20011031
	NO 2003002085	A	20030509	NO 2003-2085	20030509
PRAI	WO 2000-EP11142	W	20001110		
	WO 2001-EP12617	W	20011031		

OS MARPAT 136:369504

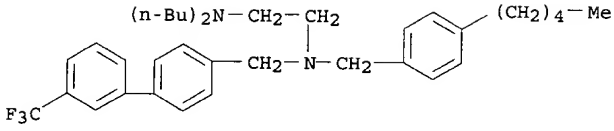
AB Compds. R4(CH)tR3NQANR1R2 [Q = SO2R5, COR5, CONHR5, CONR5R6, CO2R5, (CH2)pR5, (CH2)pCHR5R6; R1, R2 = Pr, pentyl, hexyl, .omega.-hydroxypropyl, etc., or R1NR2 = ring; R3 = alkyl, alkenyl, aryl, heteroaryl, cycloalkyl, etc.; R4 = H, CH2OR7, CO2R7, alkyl, R5, R6 = alkyl, alkenyl, aryl, cycloalkyl, etc.; R7 = H, alkyl, cycloalkyl, aryl, etc.; t = 0, 1; p = 0-2; A = (CH2)n and n = 2, 3, 4, 5], useful as inhibitors of the plasmodium falciparum protease plasmepsin II or related aspartic proteases, were prepd. E.g., reaction of 4-PhCH2OC6H4CH2NHCH2CH2NBu2 with 4-pentylbenzoyl chloride gave 4-PhCH2OC6H4CH2N(CH2CH2NBu2)COC6H4CH2Bu-4 (I). The IC50 value for I on plasmepsin II was 115.

IT **422523-82-8P 422524-27-4P 422524-28-5P**
422524-29-6P 422524-30-9P 422524-31-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted alkyldiamines as inhibitors of plasmodium falciparum protease plasmepsin II or related aspartic proteases)

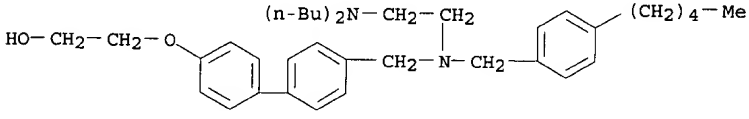
RN 422523-82-8 CAPLUS
CN 1,2-Ethanediamine, N,N-dibutyl-N'-[(4-pentylphenyl)methyl]-N'-[[4-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)



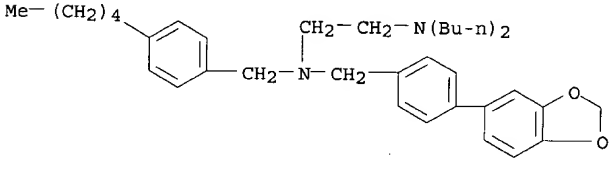
RN 422524-27-4 CAPLUS
CN 1,2-Ethanediamine, N,N-dibutyl-N'-[(4-pentylphenyl)methyl]-N'-[[3'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]methyl]- (9CI) (CA INDEX NAME)



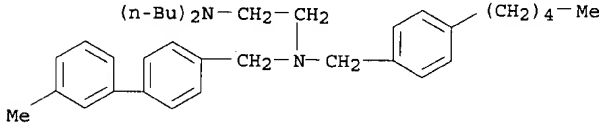
RN 422524-28-5 CAPLUS
CN Ethanol, 2-[[4'-[[[2-(dibutylamino)ethyl][(4-pentylphenyl)methyl]amino]methyl][1,1'-biphenyl]-4-yl]oxy]- (9CI) (CA INDEX NAME)



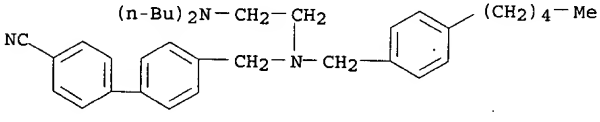
RN 422524-29-6 CAPLUS
CN 1,2-Ethanediamine, N-[[4-(1,3-benzodioxol-5-yl)phenyl]methyl]-N',N'-dibutyl-N-[(4-pentylphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 422524-30-9 CAPLUS
CN 1,2-Ethanediamine, N,N-dibutyl-N'-[(3'-methyl[1,1'-biphenyl]-4-yl)methyl]-N'-[(4-pentylphenyl)methyl]- (9CI) (CA INDEX NAME)

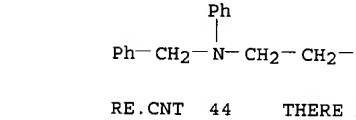


RN 422524-31-0 CAPLUS
CN [1,1'-Biphenyl]-4-carbonitrile, 4'-[[[2-(dibutylamino)ethyl][(4-pentylphenyl)methyl]amino]methyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:234565 CAPLUS

DN 131:18981
TI Design and Synthesis of Imidazoline Derivatives Active on Glucose Homeostasis in a Rat Model of Type II Diabetes. 2. Syntheses and Biological Activities of 1,4-Dialkyl-, 1,4-Dibenzyl, and 1-Benzyl-4-alkyl-2-(4',5'-dihydro-1'H-imidazol-2'-yl)piperazines and Isosteric Analogs of Imidazoline
AU Le Bihan, Gaeelle; Rondu, Frederic; Pele-Tounian, Agnes; Wang, Xuan; Lidy, Sandrine; Touboul, Estera; Lamouri, Aazdine; Dive, Georges; Huet, Jack; Pfeiffer, Bruno; Renard, Pierre; Guardiola-Lemaitre, Beatrice; Manechez, Dominique; Penicaud, Luc; Ktorza, Alain; Godfroid, Jean-Jacques
CS Laboratoire de Pharmacochimie Moleculaire et Systemes Membranaires, Universite Paris 7-Denis Diderot, Paris, 75251, Fr.
SO Journal of Medicinal Chemistry (1999), 42(9), 1587-1603
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
AB Piperazine derivs. were identified as new antidiabetic compds. Structure-activity relationship studies in a series of 1-benzyl-4-alkyl-2-(4',5'-dihydro-1'H-imidazol-2'-yl)piperazines resulted in the identification of 1-methyl-4-(2',4'-dichlorobenzyl)-2-(4',5'-dihydro-1'H-imidazol-2'-yl)piperazine, PMS 812 (S-21663), as a highly potent antidiabetic agent on a rat model of diabetes, mediated by an important increase of insulin secretion independently of .alpha.2-adrenoceptor blockage. These studies were extended to find addnl. compds. in these series with improved properties. In such a way, substitution of both piperazine N atoms was first optimized by using various alkyl, branched or not, and benzyl groups. Second, some modifications of the imidazoline ring and its replacement by isosteric heterocycles were carried out, proceeding from PMS 812, to evaluate their influence on the antidiabetic activity. The importance of the distance between the imidazoline ring and the piperazine skeleton was studied third. Finally, the influence of the N-benzyl moiety was also analyzed compared to a direct N-Ph substitution. The pharmacol. evaluation was performed in vivo using glucose tolerance tests on a rat model of type II diabetes. The most active compds. were 1,4-diisopropyl-2-(4',5'-dihydro-1'H-imidazol-2'-yl)piperazine, PMS 847 (S-22068), and 1,4-diisobutyl-2-(4',5'-dihydro-1'H-imidazol-2'-yl)piperazine, PMS 889 (S-22575), which strongly improved glucose tolerance without any side event or hypoglycemic effect. More particularly, PMS 847 proved to be as potent after po (100 .mu.mol/kg) as after i.p. administration and appears as a good candidate for clin. investigations.
IT **226068-22-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and antidiabetic activity of and (benzyl)(alkyl)(imidazolyl)piperazines and isosteric analogs)
RN 226068-22-0 CAPLUS
CN 1,2-Ethanediamine, N'-(1-methylethyl)-N-phenyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



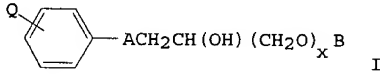
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1990:459218 CAPLUS

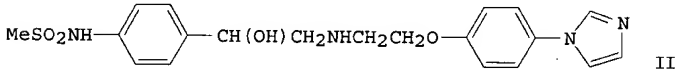
DN 113:59218
TI Derivatized alkanolamines as cardiovascular agents
IN Lis, Randall Edward; Lumma, William Carl; Morgan, Thomas Kenneth; Nickisch, Klaus; Wohl, Ronald Andre
PA Schering A.-G., Germany
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9000548	A2	19900125	WO 1989-EP807	19890713
	WO 9000548	A3	19900503		
	W: JP				
	US 5051423	A	19910924	US 1988-218195	19880713
	CA 1328105	A1	19940329	CA 1989-605462	19890712
	EP 358284	A2	19900314	EP 1989-250001	19890713
	EP 358284	A3	19900620		
	EP 358284	B1	19970820		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 03501617	T2	19910411	JP 1989-507740	19890713
	JP 07119193	B4	19951220		
	AT 157089	E	19970915	AT 1989-250001	19890713
	ES 2107998	T3	19971216	ES 1989-250001	19890713
PRAI	US 1988-218195		19880713		
	WO 1989-EP807		19890713		

OS MARPAT 113:59218
GI



I

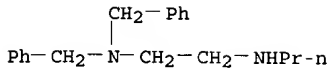


II

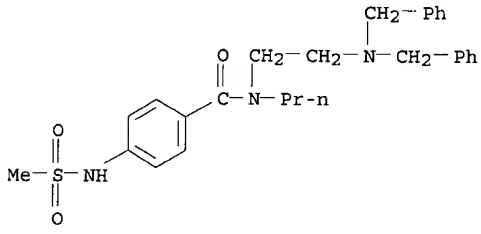
AB Title compds. I (Q = C1-4 alkanesulfonylamino, imidazolyl; x = 0,1; A = (un)substituted aminoalkylcarbamoyl or aminoalkylsulfamoyl, aminoalkoxy, aminoalkyl, piperazinediyl, etc.; B = (un)substituted Ph, naphthyl, dicyclopropylmethylimino, etc.) and pharmaceutically acceptable salts, were prepd. N-[4-[2-[[2-[4-(1H-Imidazol-1-yl)phenoxy]ethyl](phenylmethyl)amino]-1-oxoethyl]phenyl]methanesulfonamide (prepn. given) in MeOH/HCl was hydrogenated over Pd(OH)2/C to give the imidazole deriv. II. II as well as other I provide the combination of Class II/III (inhibition of isoproterenol response/increase in functional refractory period) antiarrhythmic effects.

IT **128263-72-9P 128263-73-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of cardiovascular agents)

RN 128263-72-9 CAPLUS
CN 1,2-Ethanediamine, N,N-bis(phenylmethyl)-N'-propyl- (9CI) (CA INDEX NAME)



RN 128263-73-0 CAPLUS
CN Benzamide, N-[2-[bis(phenylmethyl)amino]ethyl]-4-[(methylsulfonyl)amino]-N-propyl- (9CI) (CA INDEX NAME)

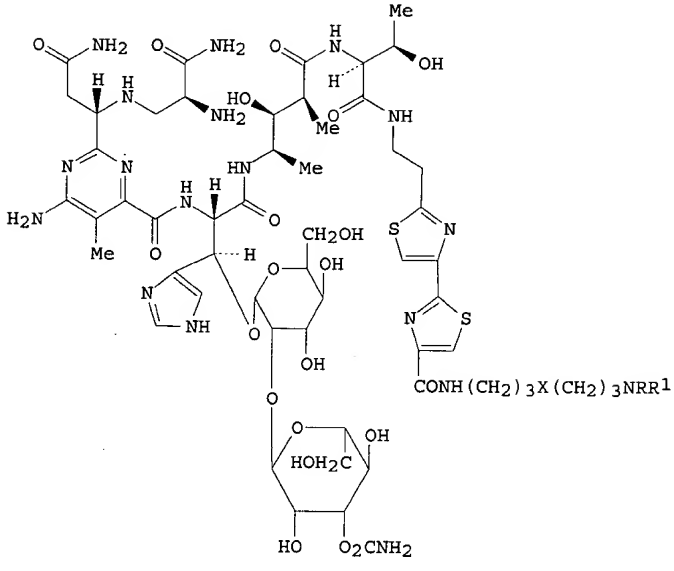


L6 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1984:23013 CAPLUS
DN 100:23013
TI Aminopropylaminobleomycin derivatives
IN Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; Takahashi, Katsutoshi
PA Microbiochemical Research Foundation, Japan
SO Ger. Offen., 76 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3247199	A1	19830707	DE 1982-3247199	19821221
	JP 58116497	A2	19830711	JP 1981-210449	19811229
	JP 63006078	B4	19880208		
	CA 1244824	A1	19881115	CA 1982-417731	19821215
	NL 8204857	A	19830718	NL 1982-4857	19821216
	CH 657859	A	19860930	CH 1982-7478	19821222
	GB 2112781	A1	19830727	GB 1982-36626	19821223
	GB 2112781	B2	19851218		
	SE 8207408	A	19830630	SE 1982-7408	19821227
	SE 465034	B	19910715		
	SE 465034	C	19911107		
	ES 518580	A1	19840201	ES 1982-518580	19821227
	AT 8204693	A	19850815	AT 1982-4693	19821227
	AT 380021	B	19860325		
	DK 8205764	A	19830630	DK 1982-5764	19821228
	HU 27462	O	19831028	HU 1982-4179	19821228
	HU 187836	B	19860228		
	CS 237334	B2	19850716	CS 1982-9910	19821228
	IL 67581	A1	19860331	IL 1982-67581	19821228
	FR 2519638	A1	19830718	FR 1982-22035	19821229
	FR 2519638	B1	19851129		
	US 4537880	A	19850827	US 1984-635096	19840727
	US 4568490	A	19860204	US 1985-743738	19850612
PRAI	JP 1981-210449		19811229		

US 1982-453254 19821227
US 1984-635096 19840727

GI



I

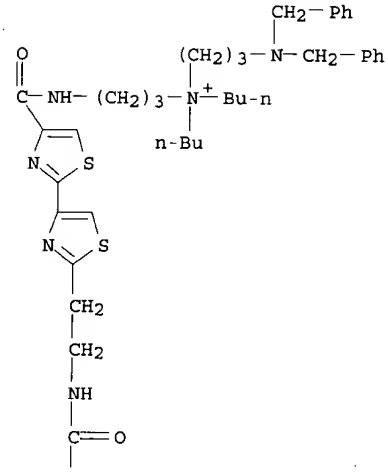
AB Bleomycins I (X = amino, piperazino, aminoalkylamino; NRR1 = amino) (53 compds.) and their Cu chelates were prepd. Thus, I (X = NMe, R = R1 = H) was reductively alkylated with cycloundecanecarboxaldehyde to give I Cu chelate (X = NMe, R = cycloundecylmethyl, R1 = H) which was converted to its Cu-free form (II). II caused 50% inhibition of He-La cell growth at 0.58 .mu.g/mL and caused no pulmonary fibrosis in mice at 10 .times. 5 mg/kg.

IT **88033-80-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and bactericidal and antitumor activity of)

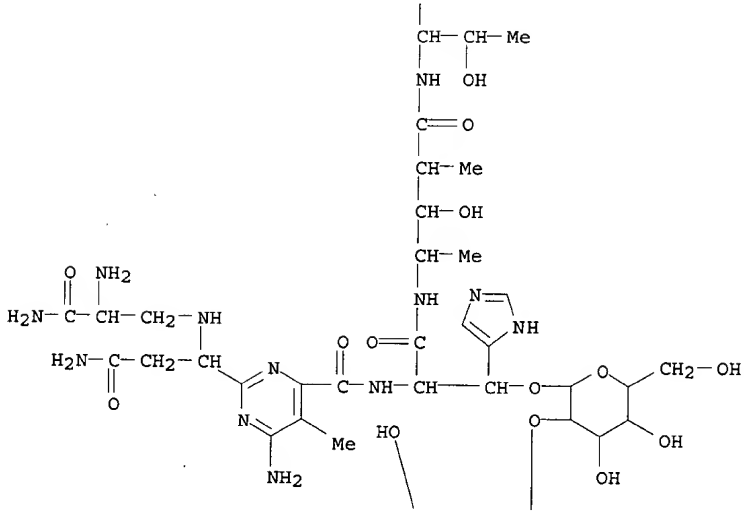
RN 88033-80-1 CAPLUS

CN Bleomycinamide, N1-[3-[[3-[bis(phenylmethyl)amino]propyl]dibutylammonio]propyl]- (9CI) (CA INDEX NAME)

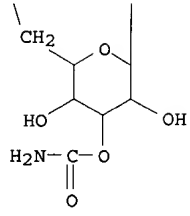
PAGE 1-A



PAGE 2-A

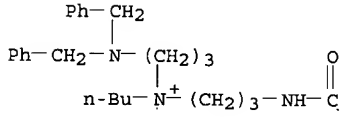


PAGE 3-A

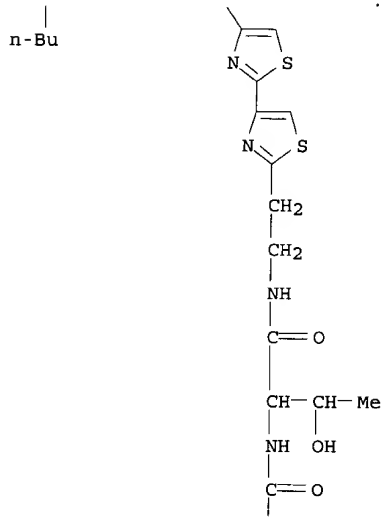


IT **88003-70-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and chromatog. and electrophoresis of)
RN 88003-70-7 CAPLUS
CN Copper(2+), [N1-[3-[[3-[bis(phenylmethyl)amino]propyl]dibutylammonio]propyl]bleomycinamidato]- (9CI) (CA INDEX NAME)

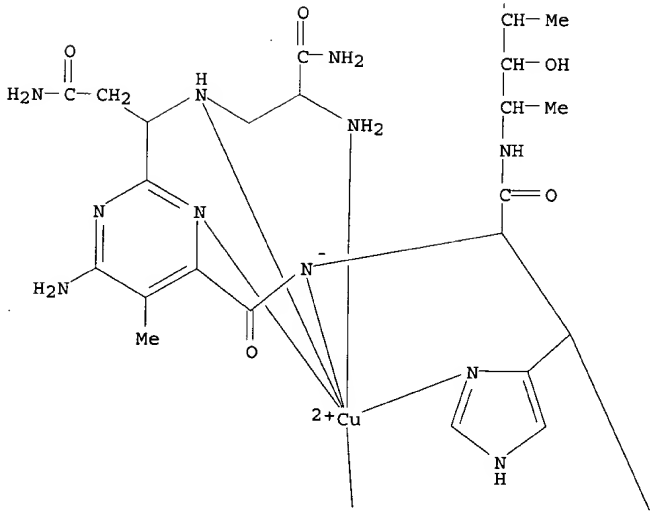
PAGE 1-A



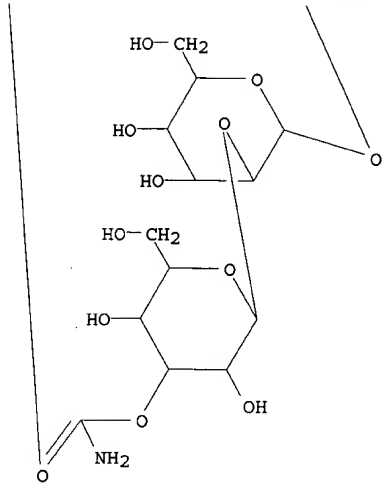
PAGE 2-A



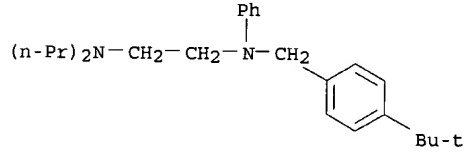
PAGE 3-A

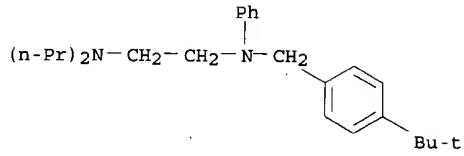


PAGE 4-A



L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1979:456187 CAPLUS
DN 91:56187
TI A study of molecular folding in aqueous solution, using the fragmentation constant
AU Tute, M. S.; Canas-Rodriguez, A.
CS Pfizer Cent. Res., Sandwich/Kent, UK
SO Abhandlungen der Akademie der Wissenschaften der DDR, Abteilung Mathematik, Naturwissenschaften, Technik (1978), (2N, Quant. Struct.-Act. Anal.), 53-7
CODEN: AAWTD2; ISSN: 0138-1059
DT Journal
LA English
AB The slope for regression anal. of the logarithm of the partition coeff. (P) of p-Me3CC6H4CH(CH2CH2R)Ph (I; R = NMe2, CH2NMe2, pyrrolidino, piperidino) between n-octanol and an aq. buffer vs. the hydrophobic fragmental const. (f) is .apprx.1, indicating that aq. I does not have a folded conformation. The regression anal. of log p vs. f has a slope <1 for p-Me3CC6H4CH2N(CH2CH2R)Ph (II; R = NMe2, NEt2, NPr2, pyrrolidino, piperidino), indicating that aq. II exists in a folded conformation.
IT **47552-17-0**
RL: PRP (Properties)
(partition coeff. of, between n-octanol and aq. buffer, folded conformation in relation to hydrophobic fragmental consts. and)
RN 47552-17-0 CAPLUS
CN 1,2-Ethanediamine, N-[[4-(1,1-dimethylethyl)phenyl]methyl]-N-phenyl-N',N'-dipropyl- (9CI) (CA INDEX NAME)





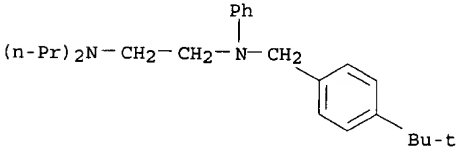
L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1972:405140 CAPLUS
DN 77:5140
TI Antihistaminic monoalkyl-substituted diarylamino- and aryl [(4-alkylbenzyl)amino]alkylamines
IN Cross, Peter E.; Leeming, Peter R.
PA Pfizer Corp.
SO Ger. Offen., 21 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2141795	A	19720302	DE 1971-2141795	19710820
	GB 1306450	A	19730214	GB 1970-40514	19700822
	BE 771152	A1	19720210	BE 1971-106924	19710810
	FR 2103448	A1	19720414	FR 1971-30402	19710820
	FR 2103448	A5	19720414		
PRAI	GB 1970-40514		19700822		

GI For diagram(s), see printed CA Issue.
AB The amines (I) [R = Et, Me; R1 = Me3C, Me3CCH2; (NR2) = piperidino, 1-pyrrolidinyl, tetrahydro-1H-azepin-1-yl; n = 1,2,3; m = 0] were prepd. from p-Me3CC6H4NHPh by treatment with Cl(CH2)nNR2 in the presence of NaH. Similarly prepd. were other I [R = Et, Pr, Me; R1 = Me3C, Me3CCH2; (NR2) = tetrahydro-1H-azepin-1-yl, 1-pyrrolidinyl; n = 2, m = 1].
IT **36716-54-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 36716-54-8 CAPLUS
CN 1,2-Ethanediamine, N-[[4-(1,1-dimethylethyl)phenyl]methyl]-N-phenyl-N',N'-dipropyl-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

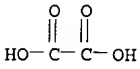
CRN 47552-17-0
CMF C25 H38 N2



CM 2

CRN 144-62-7

CMF C2 H2 O4



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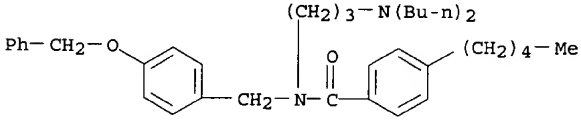
> d bib abs hitstr 1-3

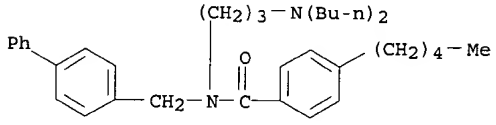
L20 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:368443 CAPLUS
DN 136:369504
TI Preparation of substituted alkyldiamines as inhibitors of plasmodium falciparum protease plasmepsin II or related aspartic proteases
IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein, Sylvia; Weller, Thomas
PA Actelion Pharmaceuticals Ltd., Switz.
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038534	A2	20020516	WO 2001-EP12617	20011031
	WO 2002038534	A3	20021114		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002014035	A5	20020521	AU 2002-14035	20011031
	NO 2003002085	A	20030509	NO 2003-2085	20030509
PRAI	WO 2000-EP11142	W	20001110		
	WO 2001-EP12617	W	20011031		

OS MARPAT 136:369504
AB Compds. R4(CH)tR3NQANR1R2 [Q = SO2R5, COR5, CONHR5, CONR5R6, CO2R5, (CH2)pR5, (CH2)pCHR5R6; R1, R2 = Pr, pentyl, hexyl, .omega.-hydroxypropyl, etc., or R1NR2 = ring; R3 = alkyl, alkenyl, aryl, heteroaryl, cycloalkyl, etc.; R4 = H, CH2OR7, CO2R7, alkyl, R5, R6 = alkyl, alkenyl, aryl, cycloalkyl, etc.; R7 = H, alkyl, cycloalkyl, aryl, etc.; t = 0, 1; p = 0-2; A = (CH2)n and n = 2, 3, 4, 5], useful as inhibitors of the plasmodium falciparum protease plasmepsin II or related aspartic proteases, were prepd. E.g., reaction of 4-PhCH2OC6H4CH2NHCH2CH2NBu2 with 4-pentylbenzoyl chloride gave 4-PhCH2OC6H4CH2N(CH2CH2NBu2)COC6H4CH2Bu-4 (I). The IC50 value for I on plasmepsin II was 115.
IT **422524-14-9P 422524-15-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted alkyldiamines as inhibitors of plasmodium falciparum protease plasmepsin II or related aspartic proteases)
RN 422524-14-9 CAPLUS
CN Benzamide, N-[3-(dibutylamino)propyl]-4-pentyl-N-[[4-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 422524-15-0 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-4-ylmethyl)-N-[3-(dibutylamino)propyl]-4-pentyl- (9CI) (CA INDEX NAME)



L20 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:416763 CAPLUS
DN 135:33362
TI Preparation of tertiary amino compounds having opioid receptor affinity
IN Kyle, Donald; Goehring, R. Richard; Victory, Sam
PA Euro-Celtique, S.A., Luxembourg
SO PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001039767	A1	20010607	WO 2000-US33047	20001206
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2001041746	A1	20011115	US 2000-730814	20001206
	EP 1244437	A1	20021002	EP 2000-983942	20001206
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
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	WO 2000-US33047	W	20001206		

OS MARPAT 135:33362
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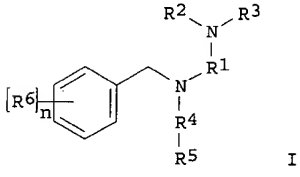


I

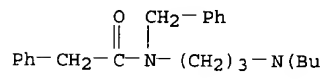
AB The title compds. [I; R1 = a bond, alkenylene, etc.; R2, R3 = H, alkyl, alkenyl, etc.; R4 = a bond, alkenylene, etc.; R5 = H, 5-6 membered (hetero)aryl, cycloalkyl; R6 = alkyl, cycloalkyl, halo; n = 0-3], useful for the treatment of chronic and acute pain, were prepd. Thus, reacting

benzaldehyde with 3-(dibutylamino)propylamine in the presence of NaBH4, 3.ANG. mol. sieves in MeOH followed by amidataion of the resulting I [R1 = (CH2)3; R2, R3 = Bu; R4 = a bond; R5, R6 = H] with phenylacetic acid in the presence of EDCl and DMAP in THF afforded I [R1 = (CH2)3; R2, R3 = Bu; R4 = COCH2; R5 = Ph; R6 = H] which showed Ki of 40 nM against opioid receptor .mu. binding.

IT **343593-68-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of tertiary amino compds. having opioid receptor affinity)

RN 343593-68-0 CAPLUS

CN Benzeneacetamide, N-[3-(dibutylamino)propyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1984:23013 CAPLUS
DN 100:23013
TI Aminopropylaminobleomycin derivatives
IN Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; Takahashi, Katsutoshi
PA Microbiochemical Research Foundation, Japan
SO Ger. Offen., 76 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3247199	A1	19830707	DE 1982-3247199	19821221
	JP 58116497	A2	19830711	JP 1981-210449	19811229
	JP 63006078	B4	19880208		
	CA 1244824	A1	19881115	CA 1982-417731	19821215
	NL 8204857	A	19830718	NL 1982-4857	19821216
	CH 657859	A	19860930	CH 1982-7478	19821222
	GB 2112781	A1	19830727	GB 1982-36626	19821223
	GB 2112781	B2	19851218		
	SE 8207408	A	19830630	SE 1982-7408	19821227
	SE 465034	B	19910715		
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	ES 518580	A1	19840201	ES 1982-518580	19821227
	AT 8204693	A	19850815	AT 1982-4693	19821227
	AT 380021	B	19860325		
	DK 8205764	A	19830630	DK 1982-5764	19821228
	HU 27462	O	19831028	HU 1982-4179	19821228
	HU 187836	B	19860228		
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	FR 2519638	A1	19830718	FR 1982-22035	19821229
	FR 2519638	B1	19851129		
	US 4537880	A	19850827	US 1984-635096	19840727
	US 4568490	A	19860204	US 1985-743738	19850612
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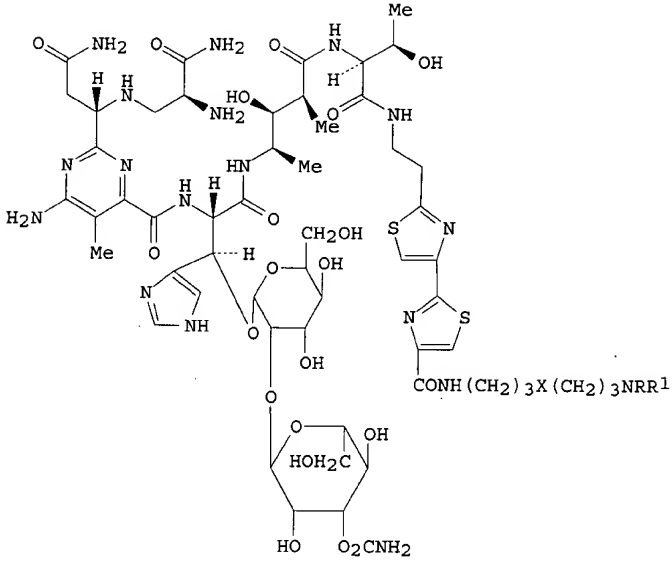


I

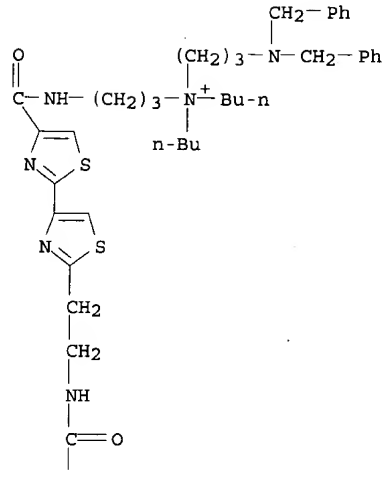
AB Bleomycins I (X = amino, piperazino, aminoalkylamino; NRR1 = amino) (53 compds.) and their Cu chelates were prepd. Thus, I (X = NMe, R = R1 = H) was reductively alkylated with cycloundecanecarboxaldehyde to give I Cu chelate (X = NMe, R = cycloundecylmethyl, R1 = H) which was converted to its Cu-free form (II). II caused 50% inhibition of He-La cell growth at 0.58 .mu.g/mL and caused no pulmonary fibrosis in mice at 10 .times. 5 mg/kg.

IT **88033-80-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and bactericidal and antitumor activity of)

RN 88033-80-1 CAPLUS

CN Bleomycinamide, N1-[3-[[3-[bis(phenylmethyl)amino]propyl]dibutylammonio]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



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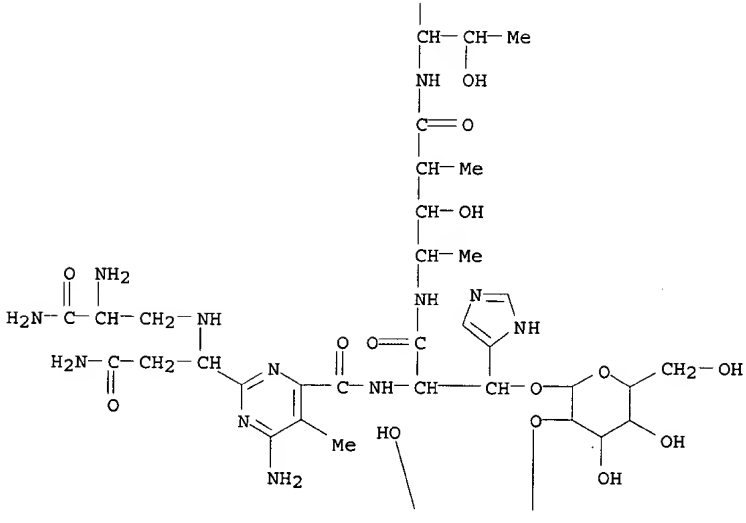

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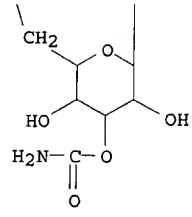
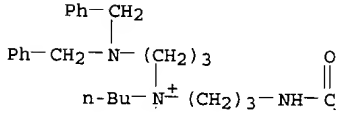


IT **88003-70-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and chromatog. and electrophoresis of)
RN 88003-70-7 CAPLUS
CN Copper(2+), [N1-[3-[[3-[bis(phenylmethyl)amino]propyl]dibutylammonio]propyl]bleomycinamidato]- (9CI) (CA INDEX NAME)

PAGE 1-A



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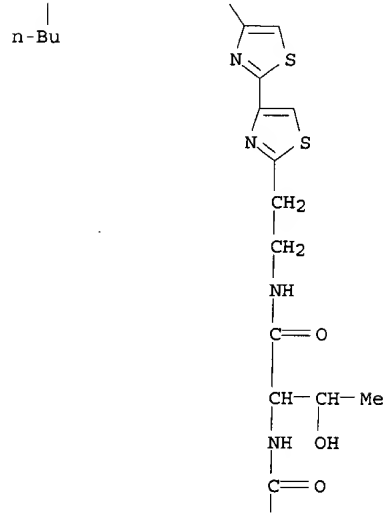

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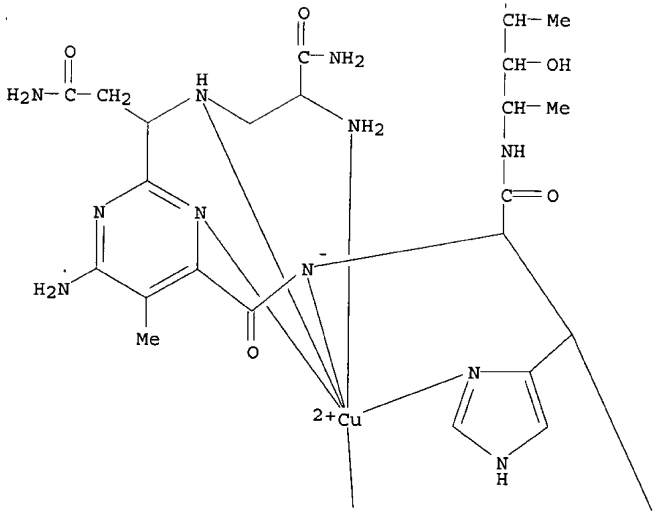

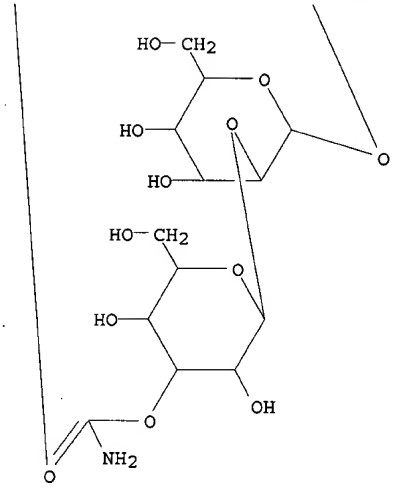
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